

Stakepool Registration, Staking and Delegation Certificates

stake-address	registration-certificate	<pre>--stake-verification-key-file staking.vkey --out-file staking.cert</pre>
stake-pool	registration-certificate	<pre>*--cold-verification-key-file cold.vkey --vrf-verification-key-file vrf.vkey --pool-pledge --pool-cost --pool-margin --pool-reward-account-verification-key-file staking.vkey --pool-owner-stake-verification-key-file staking.vkey --out-file pool.cert</pre>
stake-address	delegation-certificate	<pre>--stake-pool-verification-key-file cold.vkey --stake-verification-key-file staking.vkey --out-file deleg.cert</pre>
query	protocol-parameters*	<pre>* > parameters.json</pre>
query	utxo *	<pre>*--address payment.addr</pre>
	tip *	<pre>* </pre>
transaction	calculate-min-fee	<pre>*--protocol-params-file parameters.json --ttl current tip + 10000 --tx-in-count count input indexes --tx-out-count 1 --signing-key-file payment.skey payment.skey --signing-key-file staking.skey staking.skey --signing-key-file cold.skey --certificate staking.cert deleg.cert --certificate pool.cert > fee</pre>
	build-raw	<pre>--ttl current tip + 10000 --tx-in txId#txIndex --tx-out payment.addr+lovelaces --fee fee + .keyDeposit .poolDeposit * --certificate staking.cert deleg.cert --certificate pool.cert --tx-body-file tx_payment.txbody</pre>
	sign	<pre>*--tx-body-file tx_payment.txbody --signing-key-file payment.skey payment.skey --signing-key-file staking.skey staking.skey --signing-key-file cold.skey --tx-file tx_payment.tx</pre>
	submit *	<pre>*--tx-file tx_payment.tx</pre>

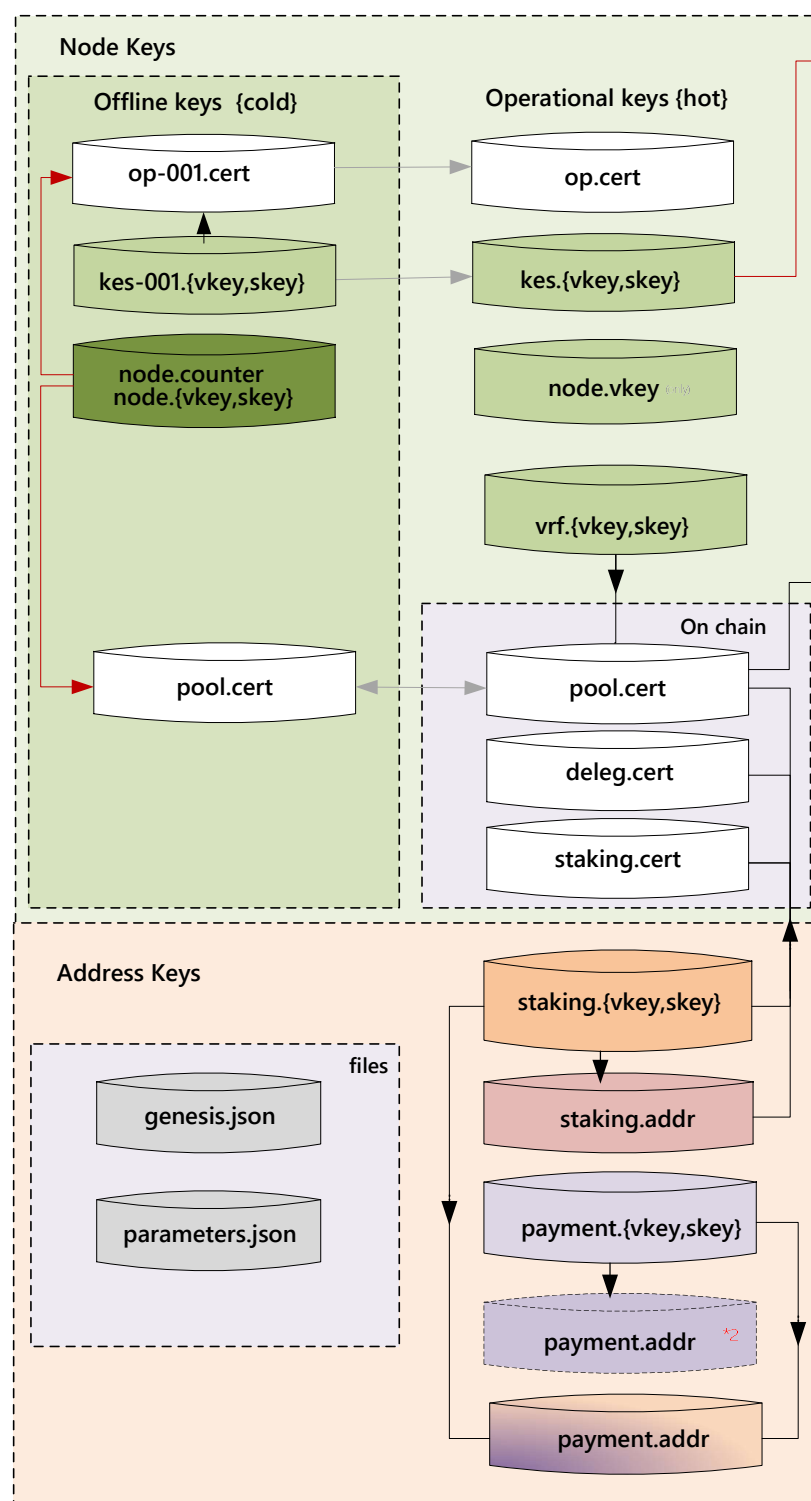
* export CARDANO_NODE_SOCKET_PATH=\$PWD/example/core/sockets/node.socket

* --testnet-magic 42

or --mainnet

*

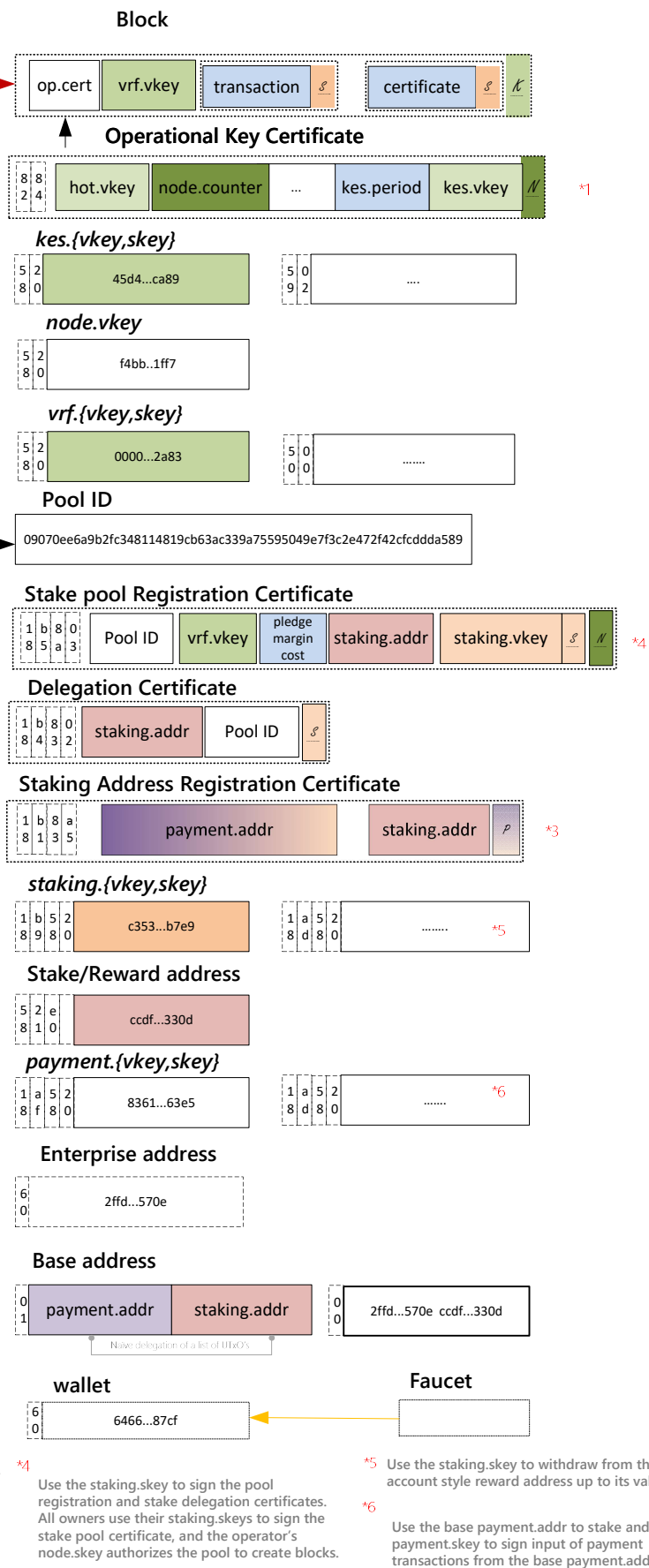
grep -i poolDeposit parameters.json



*1 Sign op.cert with operator's node.skey to certify the hot.vkey is authorised to sign blocks.

*2 This is not the payment.addr you are looking for.

*3 The cli call does not explicitly require the address that is delegating the staking rights nor does it require an explicit staking signature to register the certificate. Address and signature are satisfied by the transaction's base payment address and signing key related to the .keyDeposit payment. (format of cert shown is after signing)



Thanks to:
 F&F Tutorials and Exercises
<https://github.com/gitmachti/scripts/blob/master/cardano/ff-testnet>
<https://gist.github.com/ilap/8efdaa9e8e3ae737e303ac51469acb67>
<https://docs.google.com/spreadsheets/d/1ar0cj3Y1pnvgMJNKFbQZJ1D6PLcJnXdZW8INWU2h00>
<https://cardano-community.github.io/guild-operators/Staking/Main.html>
 Cardano F&F Haskell Testnet Telegram channel
 @matthijs_aeon

HTN Stakepool Registration